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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 57768/31 U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/519370
INTERNATIONAL APPLICATION NO. PCT/US03/21178	INTERNATIONAL FILING DATE 02 July 2003 (2.07.2003)	PRIORITY DATE CLAIMED 03 July 2002 (3.07.2002)
TITLE OF INVENTION See 1 in Addendum		
APPLICANT(S) FOR DO/EO/US HANAUSKE-ABEL, Hartmut M. and POPOWICZ, Anthony		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: UNSIGNED Combined Declaration and Power of Attorney.		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 2em; font-weight: bold; text-align: center;">10/519370</div>		INTERNATIONAL APPLICATION NO. PCT/US03/21178		ATTORNEY'S DOCKET NUMBER 57768/31											
21. The following fees are submitted: <input checked="" type="checkbox"/> a) Basic national fee..... \$300.00 <input checked="" type="checkbox"/> b) Examination fee..... \$200.00 <input checked="" type="checkbox"/> c) Search fee..... \$500.00 <div style="text-align: right;">TOTAL OF ABOVE CALCULATIONS = \$1000.00</div>				<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:50%;">Applicant use</th> <th style="width:50%;">Office use only</th> </tr> </thead> <tbody> <tr> <td>\$ 300.00</td> <td></td> </tr> <tr> <td>\$ 200.00</td> <td></td> </tr> <tr> <td>\$ 500.00</td> <td></td> </tr> <tr> <td>\$ 1,000.00</td> <td></td> </tr> </tbody> </table>		Applicant use	Office use only	\$ 300.00		\$ 200.00		\$ 500.00		\$ 1,000.00	
Applicant use	Office use only														
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<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.															
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE												
42 - 100 =	-59 /50 =		x \$250.00												
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$</td> <td style="width:50%;">130.00</td> </tr> </table>		\$	130.00								
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CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE												
Total claims	6 - 20 =	0	x \$50.00	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$</td> <td style="width:50%;">0.00</td> </tr> </table>		\$	0.00								
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Independent claims	3 - 3 =	0	x \$200.00	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$</td> <td style="width:50%;">0.00</td> </tr> </table>		\$	0.00								
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MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$</td> <td style="width:50%;">0.00</td> </tr> </table>		\$	0.00								
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\$	1,130.00														
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$</td> <td style="width:50%;">565.00</td> </tr> </table>		\$	565.00								
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SUBTOTAL =				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$</td> <td style="width:50%;">565.00</td> </tr> </table>		\$	565.00								
\$	565.00														
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$</td> <td style="width:50%;">0.00</td> </tr> </table>		\$	0.00								
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Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$</td> <td style="width:50%;">0.00</td> </tr> </table>		\$	0.00								
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TOTAL FEES ENCLOSED =				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">\$</td> <td style="width:50%;">565.00</td> </tr> </table>		\$	565.00								
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Amount to be refunded:				<div style="background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); width: 100px; height: 40px; margin: 0 auto;"></div>											
Amount to be charged				<div style="background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); width: 100px; height: 40px; margin: 0 auto;"></div>											
a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>565.00</u> to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>14-1138</u> . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.															
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.															
SEND ALL CORRESPONDENCE TO: Michael L. Goldman Nixon Peabody LLP Clinton Square P. O. Box 31051 Rochester, NY 14603-1051 United States of America				<div style="text-align: center;"> SIGNATURE Michael L. Goldman NAME <u>30,727</u> REGISTRATION NUMBER </div>											

10/519370

DT01 Rec'd PCT/PTT 22 DEC 2004

EXPRESS MAIL CERTIFICATE

DOCKET NO.: 57768/31

APPLICANT(S): HANAUSKE-ABEL, Hartmut M. and POPOWICZ, Anthony

TITLE: INHIBITOR DEVELOPMENT FOR 4-HYDROXYPHENYLPYRUVATE
DIOXYGENASE, EMPLOYING TYROSINEMIA 1 AS A MODEL FOR HUMAN
DISEASES MEDIATED BY 2-OXOACID UTILIZING DIOXYGENASES

Certificate is attached to the Transmittal Letter to the
U.S. Designated/Elected Office (DO/EO/US) of the above-named
application.

"EXPRESS MAIL" NUMBER: EV522794371US

DATE OF DEPOSIT: December 22, 2004

I hereby certify that this paper or fee is being
deposited with the United States Postal Service "Express Mail Post
Office to Addressee" service under 37 CFR 1.10 on the date
indicated above and is addressed to the Mail Stop: PCT, Commissioner
for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Putthy Ho
(Typed or printed name of person
mailing paper or fee)

(Signature of person mailing paper or fee)

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Putthy Ho
(Typed or printed name of person
mailing paper or fee)

(Signature of person mailing paper or fee)